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PTO/SB/05 (11-00)

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# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 21778.05500

First Inventor Etsuro Saito

Title Device For Examining Contact State Of Films, Method Of Examining  
Contact State Of Films, And Film For Examination

Express Mail Label No. EL 855461658 US

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 45]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 11]
5. Oath or Declaration (Unsigned) [Total Pages 3]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)
  - i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Certificate Of Mailing

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_ /  
Prior application information: Examiner \_\_\_\_ Group / Art Unit: \_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

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|                   |                  |                                   |                   |
|-------------------|------------------|-----------------------------------|-------------------|
| Name (Print/Type) | Doyle B. Johnson | Registration No. (Attorney/Agent) | 39,240            |
| Signature         |                  | Date                              | February 27, 2002 |

12288989.1

# FEE TRANSMITTAL for FY 2001

*Patent fees are subject to annual revision*

**Complete if Known**

|                      |              |
|----------------------|--------------|
| Application Number   | New          |
| Filing Date          | Herewith     |
| First Named Inventor | Etsuro Saito |
| Examiner Name        |              |
| Group / Art Unit     |              |
| Attorney Docket No.  | 21778.05500  |

**TOTAL AMOUNT OF PAYMENT** (\$) 908

| METHOD OF PAYMENT (check one)  |  | FEE CALCULATION (continued) |                       |  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
|--|--|-----------------------------|-----------------------|--|-----------------------|-----------------|----------|-----|-----|-----|-----|-------------------------------------|-----|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---------------------------|--|-----|-------|-----|-------|--|--|-----|------|-----|------|--|--|--------------|--------------|----------------|----------|---|-----------|----------|-----|-----------------------|----------|--|-----|--------------------|-----|-------|-----|---|-----------------------|----------------|-----------------------|-----------------|----------|--|----|-----|-------|------------------------|-----|---|----|-----|-------|-----------------------------------|-----|--|-----|-----|-----|---------------------------------------|-----|------------------|----|-----|-----|--|-----|--|----|-----|-----|--|-----|---|--|-----|-------|-----|-------|---|--|-----|-----|-----|----|----------------------------------|--|-----|-------|-----|-----|------------------------------------|--|-----|-------|-----|-----|--------------------------------|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|-----------------|--|-----|-----|-----|-----|-------------------------------|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|-----|----|-----|----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|
| <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Deposit Account Number: 03-3821 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Deposit Account Name: Crosby, Heafey, Roach &amp; May </div> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17<br/> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input type="checkbox"/> Payment Enclosed:</p> <p style="margin-left: 20px;"> <input type="checkbox"/> Check    <input type="checkbox"/> Credit card    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other </p>   | <p><b>3. ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> <p>Other fee (specify) _____</p> <p>*Reduced by Basic Filing Fee Paid      <b>SUBTOTAL (3)</b> (\$) 0</p> | Fee Code                    | Large Entity Fee (\$) | Small Entity Fee Code  | Small Entity Fee (\$) | Fee Description | Fee Paid | 105 | 130 | 205 | 65  | Surcharge - late filing fee or oath |     | 127 | 50  | 227 | 25  | Surcharge - late provisional filing fee or cover sheet. |  | 139 | 130 | 139 | 130 | Non-English specification |  | 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination |  | 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action |  | 113          | 1,840*       | 113            | 1,840*   | Requesting publication of SIR after Examiner action |           | 115      | 110 | 215                   | 55       | Extension for reply within first month |     | 116                | 390 | 216   | 195 | Extension for reply within second month |                       | 117            | 890                   | 217             | 445      | Extension for reply within third month |    | 118 | 1,390 | 218                    | 695 | Extension for reply within fourth month |    | 128 | 1,890 | 228                               | 945 | Extension for reply within fifth month |     | 119 | 310 | 219                                   | 155 | Notice of Appeal |    | 120 | 310 | 220  | 155 | Filing a brief in support of an appeal |    | 121 | 270 | 221  | 135 | Request for oral hearing  |  | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding |  | 140 | 110 | 240 | 55 | Petition to revive - unavoidable |  | 141 | 1,240 | 241 | 620 | Petition to revive - unintentional |  | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) |  | 143 | 440 | 243 | 220 | Design issue fee |  | 144 | 600 | 244 | 300 | Plant issue fee |  | 122 | 130 | 122 | 130 | Petitions to the Commissioner |  | 123 | 130 | 123 | 130 | Petitions related to provisional applications |  | 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt |  | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) |  | 169 | 900 | 169 | 900 | Request for expedited examination of a design application |  |
| Fee Code   | Large Entity Fee (\$)  | Small Entity Fee Code       | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 105  | 130  | 205                         | 65                    | Surcharge - late filing fee or oath  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 127  | 50   | 227                         | 25                    | Surcharge - late provisional filing fee or cover sheet.                    |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 139  | 130  | 139                         | 130                   | Non-English specification  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 147  | 2,520  | 147                         | 2,520                 | For filing a request for reexamination                                     |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 112  | 920*   | 112                         | 920*                  | Requesting publication of SIR prior to Examiner action                     |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 113  | 1,840*   | 113                         | 1,840*                | Requesting publication of SIR after Examiner action                        |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 115  | 110  | 215                         | 55                    | Extension for reply within first month                                     |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 116  | 390  | 216                         | 195                   | Extension for reply within second month                                    |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 117  | 890  | 217                         | 445                   | Extension for reply within third month                                     |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 118  | 1,390  | 218                         | 695                   | Extension for reply within fourth month                                    |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 128  | 1,890  | 228                         | 945                   | Extension for reply within fifth month                                     |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 119  | 310  | 219                         | 155                   | Notice of Appeal   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 120  | 310  | 220                         | 155                   | Filing a brief in support of an appeal                                     |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 121  | 270  | 221                         | 135                   | Request for oral hearing   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 138  | 1,510  | 138                         | 1,510                 | Petition to institute a public use proceeding                              |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 140  | 110  | 240                         | 55                    | Petition to revive - unavoidable   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 141  | 1,240  | 241                         | 620                   | Petition to revive - unintentional   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 142  | 1,240  | 242                         | 620                   | Utility issue fee (or reissue)   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 143  | 440  | 243                         | 220                   | Design issue fee   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 144  | 600  | 244                         | 300                   | Plant issue fee  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 122  | 130  | 122                         | 130                   | Petitions to the Commissioner  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 123  | 130  | 123                         | 130                   | Petitions related to provisional applications                              |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 126  | 180  | 126                         | 180                   | Submission of Information Disclosure Stmt                                  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 581  | 40   | 581                         | 40                    | Recording each patent assignment per property (times number of properties) |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 146  | 710  | 246                         | 355                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 149  | 710  | 249                         | 355                   | For each additional invention to be examined (37 CFR § 1.129(b))           |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 179  | 710  | 279                         | 355                   | Request for Continued Examination (RCE)                                    |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 169  | 900  | 169                         | 900                   | Request for expedited examination of a design application                  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| <p><b>FEE CALCULATION</b></p> <p>1. <b>BASIC FILING FEE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>740</td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table> <p style="text-align: right;"><b>SUBTOTAL (1)</b> (\$) 740</p> <p>2. <b>EXTRA CLAIM FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>-20** = 0</td> <td>X 18 = 0</td> <td>0</td> </tr> <tr> <td>Independent Claims: 5</td> <td>-3** = 2</td> <td>X 84 = 168</td> <td>168</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td>X = 0</td> <td>0</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table> <p style="text-align: right;"><b>SUBTOTAL (2)</b> (\$) 168</p> |  | Large Fee Code              | Large Entity Fee (\$) | Small Fee Code   | Small Entity Fee (\$) | Fee Description | Fee Paid | 101 | 710 | 201 | 355 | Utility filing fee                  | 740 | 106 | 320 | 206 | 160 | Design filing fee                                       |  | 107 | 490 | 207 | 245 | Plant filing fee          |  | 108 | 710   | 208 | 355   | Reissue filing fee                     |  | 114 | 150  | 214 | 75   | Provisional filing fee                                 |  | Total Claims | Extra Claims | Fee from below | Fee Paid | 20  | -20** = 0 | X 18 = 0 | 0   | Independent Claims: 5 | -3** = 2 | X 84 = 168                             | 168 | Multiple Dependent |     | X = 0 | 0   | Large Fee Code                          | Large Entity Fee (\$) | Small Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid | 103                                    | 18 | 203 | 9     | Claims in excess of 20 |     | 102                                     | 80 | 202 | 40    | Independent claims in excess of 3 |     | 104                                    | 270 | 204 | 135 | Multiple dependent claim, if not paid |     | 109              | 80 | 209 | 40  | ** Reissue independent claims over original patent |     | 110                                    | 18 | 210 | 9   | ** Reissue claims in excess of 20 and over original patent |     | <p>**or number previously paid, if greater, For Reissues, see above</p> |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Large Fee Code   | Large Entity Fee (\$)  | Small Fee Code              | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 101  | 710  | 201                         | 355                   | Utility filing fee   | 740                   |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 106  | 320  | 206                         | 160                   | Design filing fee  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 107  | 490  | 207                         | 245                   | Plant filing fee   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 108  | 710  | 208                         | 355                   | Reissue filing fee   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 114  | 150  | 214                         | 75                    | Provisional filing fee   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Total Claims   | Extra Claims   | Fee from below              | Fee Paid              |  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 20   | -20** = 0  | X 18 = 0                    | 0                     |  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Independent Claims: 5  | -3** = 2   | X 84 = 168                  | 168                   |  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Multiple Dependent   |  | X = 0                       | 0                     |  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| Large Fee Code   | Large Entity Fee (\$)  | Small Fee Code              | Small Entity Fee (\$) | Fee Description  | Fee Paid              |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 103  | 18   | 203                         | 9                     | Claims in excess of 20   |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 102  | 80   | 202                         | 40                    | Independent claims in excess of 3  |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 104  | 270  | 204                         | 135                   | Multiple dependent claim, if not paid                                      |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 109  | 80   | 209                         | 40                    | ** Reissue independent claims over original patent                         |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |
| 110  | 18   | 210                         | 9                     | ** Reissue claims in excess of 20 and over original patent                 |                       |                 |          |     |     |     |     |                                     |     |     |     |     |     |   |  |     |     |     |     |                           |  |     |       |     |       |  |  |     |      |     |      |  |  |              |              |                |          |   |           |          |     |                       |          |  |     |                    |     |       |     |   |                       |                |                       |                 |          |  |    |     |       |                        |     |   |    |     |       |                                   |     |  |     |     |     |                                       |     |                  |    |     |     |  |     |  |    |     |     |  |     |   |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |     |     |     |   |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |     |     |     |   |  |     |     |     |     |   |  |

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